Pseudocode Instructions

Task A

```
BEGIN NumberGuessingGame
    SET randomNumber = RANDOM(1, 10)
    SET attempts = 3
    PRINT "Guess the number between 1 and 10. You have 3 attempts."

    WHILE attempts > 0 DO
        PRINT "Enter your guess:"
        READ userGuess

        IF userGuess == randomNumber THEN
            PRINT "Congratulations! You've guessed the number!"
            BREAK
        ELSE
            DECREMENT attempts
            PRINT "Wrong guess. You have " + attempts + " attempts
left."
        END IF
    END WHILE

    IF attempts == 0 THEN
        PRINT "Sorry, you've run out of attempts. The number was " +
randomNumber + "."
    END IF
END NumberGuessingGame
```

Task B

```
BEGIN WarehouseApp
    DEFINE WAREHOUSE as a 2D grid (e.g., [['A1', 'A2'], ['B1', 'B2']])
    FUNCTION findPath(start, target)
        SET currentPosition = start
        WHILE currentPosition NOT EQUAL target DO
            PRINT "You are at " + currentPosition
            PRINT "Move (N/S/E/W):"
            READ move
            UPDATE currentPosition BASED ON move
            IF currentPosition OUT OF BOUNDS THEN
                PRINT "Invalid move. Try again."
                SET currentPosition BACK TO previous position
            END IF
        END WHILE
        PRINT "You reached: " + target
    END FUNCTION
    FUNCTION main()
        PRINT "Enter starting position:"
        READ startPosition
        PRINT "Enter target position:"
        READ targetPosition
            CALL findPath(startPosition, targetPosition)
    END FUNCTION
    CALL main()
END WarehouseApp
```

Task C

```
def count_packages():

for i in range(2, 51, 2):

print(i) count_packages()
```